

CLAIMS

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All

1. Sealing device (1) (100) for a rolling contact bearing (2) comprising two races (3, 4) which are coaxial to each other; the device comprises two
5 inserts (5, 6) which are made of metal material and which are each coupled to a relative race (3, 4), at least one sealing lip (8) which extends between the said two inserts (5, 6), and a phonic wheel (9) which is supported by the more external (5) of the said two
10 inserts (5, 6); and being characterised by the fact that the more external of the two inserts (5) comprises an annular housing (19) for containing the phonic wheel (9) which is axially open towards the outside of the bearing (2), and which presents a
15 shield (20) which is made of vulcanised rubber material and which is arranged in such a way as to completely seal the housing (19) itself.

2. Sealing device according to Claim 1, characterised by the fact that the said housing (19)
20 is radially delimited by a first and a second cylindrical wall (12, 16) which form part of the said more external insert (5); the first cylindrical wall (12) defines an internal radial support for the said phonic wheel (9), and the second wall defines an
25 annular channel (17) with the other insert (6).

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3. Sealing device according to Claim 2,
characterised by the fact that the said second wall
(16) presents a cylindrical edge (18), which is
folded towards the other insert (6) and which defines
5 an outer radial limit for the shield made of
vulcanised rubber (20).

4. Sealing device according to Claim 3,
characterised by the fact that the said shield (20)
comprises two opposite radial ends (21, 22) which
10 respectively define a static seal against a race (3)
of the bearing (2), and a dynamic seal which
substantially seals the said annular channel (17).